

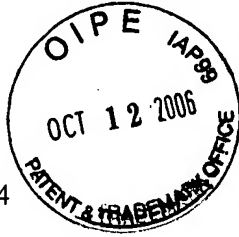
## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Stefan GOLZ, et al.

Serial No. 10/548,404

Filed: June 26, 2006



Group Art Unit: 1642

Docket No. 004974.01065

Confirmation No: 6344

For: DIAGNOSTICS AND THERAPEUTICS FOR DISEASES ASSOCIATED WITH  
PHOSPHODIESTERASE 1B (PDE 1B)

**REQUEST FOR CORRECTED FILING RECEIPT**

U.S. Patent and Trademark Office  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Dear Sir:

Please issue a Corrected Filing Receipt to correct errors in the second and third applicants' addresses.

A copy of the Official Filing Receipt with the corrections marked in red is attached. Also attached is the Declaration filed June 26, 2006. If a fee is required, please charge our Deposit Account No. 19-0733.

Respectfully submitted,

Date: October 12, 2006

By:

Lisa M. Hemmendinger  
Registration No. 42,653

BANNER & WITCOFF, LTD.  
1001 G Street, N.W., 11<sup>th</sup> Floor  
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DHH/LMH/INTL



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/548,404	06/26/2006	1642	2080	004974.01065	2	12	7

CONFIRMATION NO. 6344

22907  
BANNER & WITCOFF  
1001 G STREET N W  
SUITE 1100  
WASHINGTON, DC 20001

## FILING RECEIPT



\*OC000000020299113\*

RECEIVED

SEP 11 2006

Date Mailed: 09/05/2006

BANNER &amp; WITCOFF, LTD.

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

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Ulf Bruggemeier, ~~Leverkusen~~, GERMANY; *Leichlingen*  
Andreas Geerts, ~~Leverkusen~~, GERMANY; *Wuppertal*

DOCKETED  
004974.01065  
SEP 12 2006  
AR

## Assignment For Published Patent Application

Bayer Healthcare AG, Leverkusen, GERMANY

Power of Attorney: The patent practitioners associated with Customer Number 22907.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/EP04/02065 02/27/2004

## Foreign Applications

EUROPEAN PATENT OFFICE (EPO) 03005386.2 03/13/2003

If Required, Foreign Filing License Granted: 09/02/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/548,404**

Projected Publication Date: 12/14/2006

Non-Publication Request: No

**Early Publication Request:** No

**Title**

Diagnostics and therapeutics for diseases associated with phosphodiesterase 1b (pde1b)

**Preliminary Class**

424

## **PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 7-2005)TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

004974.01065

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

-10/548,404

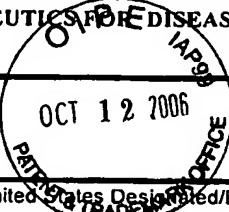
INTERNATIONAL APPLICATION NO.  
PCT/EP2004/002065INTERNATIONAL FILING DATE  
27 February 2004PRIORITY DATE CLAIMED  
13 March 2003

TITLE OF INVENTION

DIAGNOSTICS AND THERAPEUTICS FOR DISEASES ASSOCIATED WITH PHOSPHODIESTERASE 1B (PDE1B)

APPLICANT(S) FOR DO/EO/US

Stefan GOLZ et al



Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☐ Express Mail Label No.

**COMBINED DECLARATION AND POWER OF ATTORNEY**

ATTORNEY DOCKET NO

As a below named inventor, I/we hereby declare that:

My/our residence, post office address and citizenship are as stated below next to my/our name. I/we believe I am/we are the original, first and sole/joint inventor/s of the subject matter which is claimed and for which a patent is sought on the invention entitled

**DIAGNOSTICS AND THERAPEUTICS FOR DISEASES ASSOCIATED WITH PHOSPHODIESTERASE 1B (PDE1B)**

the specification of which is attached hereto,

or was filed on **February 27, 2004**

as a PCT Application Serial No. **PCT/EP2004/002065**

I/we hereby state that I/we have reviewed and understand the contents of the above-identified specification, including the claims.

I/we acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I/we hereby claim priority benefits under Title 35, United States Code, §119 and § 119(e)(1) of any foreign and/or U.S. provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**03005386.2**  
(Number)

**Europe**  
(Country)

**March 13, 2003**  
(Month/Day/Year Filed)

I/we hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I/we acknowledge the duty to disclose the material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Le A 36 620-US**

**POWER OF ATTORNEY:** And I/we hereby appoint, both jointly and severally, as my attorneys, all Banner & Witcoff, Ltd. attorneys indicated therein under PTO Customer Number #22907, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office.

<b>Send Correspondence To:</b> Banner & Witcoff, Ltd. PTO Customer Number #22907		<b>Direct Telephone Calls To:</b> (202)508-9100	
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FULL NAME OF SOLE OR FIRST INVENTOR		INVENTOR'S SIGNATURE		DATE
Stefan Golz		<i>[Signature]</i>		- 5. Sep. 2005
RESIDENCE			CITIZENSHIP	
D 45326 Essen, Germany			German	
POST OFFICE ADDRESS				
c/o Bayer HealthCare AG, D 51368 Leverkusen, Germany				
FULL NAME OF SECOND INVENTOR		INVENTOR'S SIGNATURE		DATE
Ulf Brüggemeier		<i>[Signature]</i>		8.9.05
RESIDENCE			CITIZENSHIP	
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POST OFFICE ADDRESS				
c/o Bayer HealthCare AG, D 51368 Leverkusen, Germany				
FULL NAME OF THIRD INVENTOR		INVENTOR'S SIGNATURE		DATE
Andreas Geerts		<i>[Signature]</i>		5.9.05
RESIDENCE			CITIZENSHIP	
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POST OFFICE ADDRESS				
c/o Bayer HealthCare AG, D 51368 Leverkusen, Germany				
FULL NAME OF FOURTH INVENTOR		INVENTOR'S SIGNATURE		DATE
RESIDENCE			CITIZENSHIP	
POST OFFICE ADDRESS				
FULL NAME OF FIFTH INVENTOR		INVENTOR'S SIGNATURE		DATE
RESIDENCE			CITIZENSHIP	
POST OFFICE ADDRESS				
FULL NAME OF SIXTH INVENTOR		INVENTOR'S SIGNATURE		DATE
RESIDENCE			CITIZENSHIP	
POST OFFICE ADDRESS				
FULL NAME OF SEVENTH INVENTOR		INVENTOR'S SIGNATURE		DATE
RESIDENCE			CITIZENSHIP	
POST OFFICE ADDRESS				